AUTHOR INDEX TO VOLUME 149

Abdel-Raouf, M.A., Possible positronium formation in the collisions of positrons with calcium positive ions 149 (1988) 217

Allen, J.M., M.N.R. Ashfold, C.L. Bennett and C.M. Western, Double-resonance multiphoton ionisation studies of Franck–Condon disfavoured vibronic levels of the $\tilde{B}$ and $\tilde{C}'$ Rydberg states of ammonia 149 (1988) 1

Andaloro, G., M.A. Palazzo, M. Migliore and S.L. Fornili, Hydration of the hydroxide ion: ab initio calculations and Monte Carlo simulation 149 (1988) 201

Apkarian, V.A., see J. Khademi 149 (1988) 145

Apostol, M., see S. Svirschevsky 149 (1988) 521

Arai, T., T. Karatsu, M. Tsuchiya, H. Sakuragi and K. Tokumaru, Triplet energy surfaces of one-way isomerizing olefins as studied by singlet oxygen luminescence technique 149 (1988) 161

Arun Kumar, B.S., K.V. Ramanathan and C.L. Khetrapal, Side-band intensities in the deuterium magnetic resonance spectra of oriented molecules spinning near the magic angle 149 (1988) 306

Ashfold, M.N.R., see J.M. Allen 149 (1988) 1

Asimov, M.M., V.M. Nikitchenko, A.I. Novikov and A.N. Rubinov, New high-efficiency biscoumarin laser dyes 149 (1988) 140

Attard, P. and M.T. Batchelor, A mechanism for the hydration force demonstrated in a model system 149 (1988) 206

Bagchi, B., see C.S. Poornimadevi 149 (1988) 411

Bai, J., H. Okabe and J.B. Halpern, Fluorescence spectrum and lifetime of i-C_3H_7O radical 149 (1988) 37

Ballard, R.E., J. Jones, A. Inchley and M. Cranmer, He(I) photoelectron studies of mixed surfactant films on liquid surfaces 149 (1988) 29

Barmashenko, B.D. and V.A. Kochelap, IR chemical lasers: active medium formation via the combustion of finely disperse metal particles in an oxidizing atmosphere 149 (1988) 68

Barr, J.R.M., see P.A. Hatherly 149 (1988) 477

Barra, A.L. and J.B. Robert, ^{31}P magnetic shielding tensor components of a phosphirane. Angular dependence of the ^{31}P magnetic shielding anisotropy 149 (1988) 363

Batchelor, M.T., see P. Attard 149 (1988) 206

Bauder, A., see L. Martinache 149 (1988) 424

Beaman, R., see G. Lo 149 (1988) 384

Becker, M., see U. Gaubatz 149 (1988) 463

Belli, M., see G. Onori 149 (1988) 289

Bennett, C.L., see J.M. Allen 149 (1988) 1

Berg, D., see F.-W. Breitbarth 149 (1988) 334

Bergmann, K., see U. Gaubatz 149 (1988) 463

Bernhardt, J.R., see I.R. Slagle 149 (1988) 180

Berreby, L., C. Dreyfus and E. Dayan, Validity of the method of measurement of the mean-squared torque in linear molecule–atom systems at intermediate densities 149 (1988) 63

Bianconi, A., see G. Onori 149 (1988) 289

Billing, G.D., see N.E. Henriksen 149 (1988) 397
Birk, H., see U. Magg 149 (1988) 321
Blasse, G., see H. Matthies 149 (1988) 167
Bonazzola, L., J.-P. Michaut and J. Roncin, The structure of the $CFCl_3$ radical anion 149 (1988) 316
Botár, L. and I. Ruff, On the general and special form of Fick's second law with concentration-dependent diffusion coefficients 149 (1988) 99
Bouman, T.D. and A.E. Hansen, Iterative LORG calculations of nuclear magnetic shieldings. ^{13}C shielding tensors in 2-norbornenone 149 (1988) 510
Bourmada, N., P. Devolder and L.-R. Sochet, Rate constant for the termolecular reaction of OH+toluene+helium in the fall-off range below 10 Torr 149 (1988) 339
Bower, J.E., see M.F. Jarrold 149 (1988) 433
Breitbarth, F.-W. and D. Berg, A continuous emission in weakly excited CCl_4 discharges. CCl_3 as possible emitter 149 (1988) 334
Broeckhove, J., L. Lathouwers, E. Kesteloot and P. Van Leuven, On the equivalence of time-dependent variational principles 149 (1988) 547
Brouard, M. and J. O'Mahony, Photodissociation dynamics of HCOOH($\tilde{A}$) 149 (1988) 45
Brucat, P.J., see D. Lessen 149 (1988) 10
Brucat, P.J., see D. Lessen 149 (1988) 473
Bruley, J., see R. Brydson 149 (1988) 343
Brumer, P., see M. Shapiro 149 (1988) 451
Brydson, R., J. Bruley and J.M. Thomas, Further evidence for core-hole effects in the near-edge structures of light element K-edges 149 (1988) 343
Brzezinski, B., L. Celewicz, J. Spychala and K. Golankiewicz, Intramolecular OH...N⇌O⁻...H⁺N hydrogen bonds in N-(1H-2-oxo-4-pyrimidinyl) amino acids 149 (1988) 348
Butler, P.H., see B.T. Thole 149 (1988) 295

Carrington, A., I.R. McNab and C.A. Montgomerie, Spectroscopic observation of rotationally quasibound HD^+ ions 149 (1988) 326
Celewicz, L., see B. Brzezinski 149 (1988) 348
Child, M.S. and D.J. Nesbitt, RKR-based inversion of rotational progressions 149 (1988) 404
Chou, J.Z., see J.F. Hershberger 149 (1988) 51
Čížek, J. and F. Vinette, Lower bounds for the ground state energy for the PPP and Hubbard models of the benzene molecule 149 (1988) 516
Codling, K., see P.A. Hatherly 149 (1988) 477
Coffer, J.L., J.R. Shapley and H.G. Drickamer, A pressure tuning spectroscopic study of cis-diammine α-pyridone platinum blue 149 (1988) 487
Cohen, L.K. and H.O. Pritchard, Comparison of translational energy distributions calculated classically and quantally for the same reaction 149 (1988) 543
Cranmer, M., see R.E. Ballard 149 (1988) 29
Crookell, A., M. Fleischmann, M. Hanniet and P.J. Hendra, Surface-enhanced Fourier transform Raman spectroscopy in the near infrared 149 (1988) 123
Cummins, P.G., see E.J. Staples 149 (1988) 191

Dayan, E., see L. Berreby 149 (1988) 63
Del Barrio, J.I., J.R. Rebato and F.M. G.-Tablas, Solvatochromic shifts of triplet–triplet transitions of acridine and phenazine 149 (1988) 150
Della Longa, S., see G. Onori 149 (1988) 289

DePristo, A.E., see K. Raghavan 149 (1988) 89
Devolder, P., see N. Bourmada 149 (1988) 339
Dirksen, G.J., see H. Matthies 149 (1988) 167
Dorigo, A., see K. Yamaguchi 149 (1988) 537
Dreyfus, C., see L. Berreby 149 (1988) 63
Drickamer, H.G., see J.L. Coffer 149 (1988) 487
Duportail, G. and P. Lianos, Fractal modeling of pyrene excimer quenching in phospholipid vesicles 149 (1988) 73

Engel, V., see S. Hennig 149 (1988) 455
Ertürk, Ü. and A. Otto, Surface-enhanced Raman scattering of C_2H_4 on silver induced by surface defects 149 (1988) 284

Fernández, A., Assembling of random inhomogeneous polymers: a grand ensemble approach using the replica method 149 (1988) 113
Filimonova, S.V., see V.M. Mastikhin 149 (1988) 175
Fleischmann, M., see A. Crookell 149 (1988) 123
Flood, M.J., see R.H. Lipson 149 (1988) 155
Flynn, G.W., see J.F. Hershberger 149 (1988) 51
Flytzanis, C., see F. Vallée 149 (1988) 572
Fornili, S.L., see G. andaloro 149 (1988) 201
Fowler, P.W. and P. Tole, The polarisability of the sulphide ion in MgS 149 (1988) 273
Frasinski, L.J., see P.A. Hatherly 149 (1988) 477
Freedman, T.B., see K.M. Spencer 149 (1988) 367
Freude, D., J. Klinowski and H. Hamdan, Solid-state NMR studies of the geometry of Brønsted acid sites in zeolitic catalysts 149 (1988) 355

G.-Tablas, F.M., see J.I. del Barrio 149 (1988) 150
Gale, G.M., see F. Vallée 149 (1988) 572
Gaubatz, U., P. Rudecki, M. Becker, S. Schiemann, M. Külz and K. Bergmann, Population switching between vibrational levels in molecular beams 149 (1988) 463
Golankiewicz, K., see B. Brzezinski 149 (1988) 348
Goodman, D.W., see E.M. Stuve 149 (1988) 557
Gopidas, K.R., see P.V. Kamat 149 (1988) 491
Gryczynski, I., see J.R. Lakowicz 149 (1988) 134
Gupta, D. and C.S. Hirtzel, Monte Carlo simulation of temperature-programmed desorption of molecules from solid surfaces 149 (1988) 527
Gutman, D., see I.R. Slagle 149 (1988) 180

Halpern, J.B., see J. Bai 149 (1988) 37
Hamdan, H., see D. Freude 149 (1988) 355
Hanniet, M., see A. Crookell 149 (1988) 123
Hansen, A.E., see T.D. Bouman 149 (1988) 510
Hansen, F.Y., see N.E. Henriksen 149 (1988) 397
Hatherly, P.A., L.J. Frasinski, K. Codling and J.R.M. Barr, Multiphoton ionisation of *n*-alkanes using an intense sub-picosecond laser 149 (1988) 477
Hendra, P.J., see A. Crookell 149 (1988) 123
Hennig, S., V. Engel, R. Schinke and V. Staemmler, Emission spectroscopy of photodissociating water molecules: a time-independent ab initio study 149 (1988) 455

Henriksen, N.E., G.D. Billing and F.Y. Hansen, Phase space representation of quantum mechanics: approximate dynamics of the Morse oscillator 149 (1988) 397
Hepburn, J.W., see M. Shapiro 149 (1988) 451
Hershberger, J.F., J.Z. Chou, G.W. Flynn and R.E. Weston Jr., Rotational state dependence of transient linewidths in the CO_2 00^01 vibrational level due to translational energy recoil from hot H and D atom collisions 149 (1988) 51
Hirota, N., see K. Tominaga 149 (1988) 32
Hirtzel, C.S., see D. Gupta 149 (1988) 527
Hopkins, J.B., see L.K. Orman 149 (1988) 375
Houk, K.N., see K. Yamaguchi 149 (1988) 537
Howard, N.W. and A.C. Legon, Cl and D nuclear quadrupole coupling in the rotational spectrum of $^{15}N_2$...DCl and the dynamics of the DCl subunit 149 (1988) 57
Howorka, F., see T.D. Märk 149 (1988) 230
Hoy, A.R., see R.H. Lipson 149 (1988) 155

Ichikawa, T., see M. Shiotani 149 (1988) 185
Ilisca, E. and S. Sugano, Optical studies in ortho–para conversion of a hydrogen molecule on a magnetic surface 149 (1988) 20
Imre, D.G., see J. Zhang 149 (1988) 233
Inchley, A., see R.E. Ballard 149 (1988) 29
Ingersoll, D., see E.M. Stuve 149 (1988) 557
Isaka, H., see T. Ohzeki 149 (1988) 379
Israelachvili, J.N., see P.M. McGuiggan 149 (1988) 469
Itoh, M. and M. Sasaki, Transformation of van der Waals complex to the exciplex in jet-cooled 1-cyano-4-methylnaphthalene and triethylamine 149 (1988) 40

Jameson, A.K., see C.J. Jameson 149 (1988) 300
Jameson, C.J. and A.K. Jameson, Absolute shielding scale for ^{29}Si 149 (1988) 300
Jans-Bürli, S., see L. Martinache 149 (1988) 424
Jarrold, M.F. and J.E. Bower, Surface chemistry on metal clusters: observation of multiple structures for C_2H_4 chemisorbed on aluminum clusters 149 (1988) 433
Jaszuński, M., A. Rizzo and D.L. Yeager, Ab initio linear response calculations of the dipole polarizability of the acetylene molecule 149 (1988) 79
Jensen, F., see K. Yamaguchi 149 (1988) 537
Jin, Z., see Q. Qin 149 (1988) 128
Jones, H., see U. Magg 149 (1988) 321
Jones, J., see R.E. Ballard 149 (1988) 29

Kamat, P.V., K.R. Gopidas and D. Weir, Photoelectrochemistry in particulate systems. Photosensitized charge injection into opaque TiO_2 semiconductor powder as probed by time-resolved diffuse reflectance laser flash photolysis 149 (1988) 491
Karatsu, T., see T. Arai 149 (1988) 161
Katsumoto, M., see A. Morita 149 (1988) 95
Kesteloot, E., see J. Broeckhove 149 (1988) 547
Khademi, J., H. Kunttu and V.A. Apkarian, Spectral hole burning in the inhomogeneous ν_3 absorption profile in CH_3F isolated in mixed Ar : Kr matrices 149 (1988) 145

Khetrapal, C.L., see B.S. Arun Kumar 149 (1988) 306
King, R.B., Chemical bonding in two-dimensional islands of silver and gold on graphite surfaces 149 (1988) 562
Kjellander, R. and S. Sarman, On the statistical mechanics of inhomogeneous fluids in narrow slits. An application to a hard-sphere fluid between hard walls 149 (1988) 102
Klinowski, J., see D. Freude 149 (1988) 355
Koch, H., G.E. Scuseria, A.C. Scheiner and H.F. Schaefer III, The infrared spectrum of water. Basis set dependence at the single and double excitation coupled cluster (CCSD) level of theory 149 (1988) 118
Kochelap, V.A., see B.D. Barmashenko 149 (1988) 68
Kormann, C., M. Lewerenz and M. Quack, Band strengths of fundamentals and overtones of the CF and CH chromophores in CHD_2F 149 (1988) 429
Kresa, W., see L. Martinache 149 (1988) 424
Kubach, C., see W.J. van der Zande 149 (1988) 14
Kulander, K.C., Spectroscopy of SO 149 (1988) 392
Külz, M., see U. Gaubatz 149 (1988) 463
Kunttu, H., see J. Khademi 149 (1988) 145

Lakowicz, J.R., I. Gryczynski and W.M. Wiczk, Anisotropic rotational diffusion of indole in cyclohexane studied by 2 GHz frequency-domain fluorometry 149 (1988) 134
Lathouwers, L., see J. Broeckhove 149 (1988) 547
Lécuyer, I., see D. Markovitsi 149 (1988) 330
Legon, A.C., see N.W. Howard 149 (1988) 57
Leng, F., see E.J. Staples 149 (1988) 191
Lessen, D. and P.J. Brucat, The unique stability of $CoAr_6^+$: coordination complex or close-packed structure? 149 (1988) 10
Lessen, D. and P.J. Brucat, Estimation of the Ni_2^+ bond energy from the photodissociation of Ni_2Ar^+ 149 (1988) 473
Lewerenz, M., see C. Kormann 149 (1988) 429
Li, Y., see Q. Qin 149 (1988) 128
Lianos, P., see G. Duportail 149 (1988) 73
Lin, S.H., see K. Nishikawa 149 (1988) 243
Lipson, R.H., A.R. Hoy and M.J. Flood, Direct vibrational numbering of the $D0_u^+$ ion-pair state of Br_2 149 (1988) 155
Liu, X., see Q. Qin 149 (1988) 128
Lo, G., R. Beaman and D.W. Setser, Radiative lifetime, electronic quenching and spin–orbit state relaxation rate constants for $SO(A\,^3\Pi_{0,1,2},\ v'=0)$ 149 (1988) 384
Los, J., see W.J. van der Zande 149 (1988) 14
Lovejoy, C.M. and D.J. Nesbitt, Infrared-active combination bands in ArHCl, Chem. Phys. Letters 146 (1988) 582. Erratum 149 (1988) 122

Maas, W.E.J.R. and W.S. Veeman, Natural abundance ^{13}C spin diffusion enhanced by magic-angle spinning 149 (1988) 170
Mack, J.X., see L.B. Schein 149 (1988) 109
Magg, U., H. Birk and H. Jones, The ground-state infrared spectrum of four isotopic forms of barium monohydride (BaH) 149 (1988) 321
Maricq, M.M., see J.J. Tanner 149 (1988) 503

Märk, T.D., A. Stamatovic, F. Howorka and P. Scheier, Photodissociation of neutral van der Waals clusters with visible laser light 149 (1988) 230
Markovitsi, D. and I. Lécuyer, Laser-induced triplet excitons in the columnar phases of an octasubstituted zinc phthalocyanine 149 (1988) 330
Marsagishvili, T.A., M.G. Zakaraya and J. Ulstrup, Reversibility conditions in radiative single-photon molecular and solid-state electronic transitions 149 (1988) 417
Martín, F., A. Riera and M. Yáñez, Continuum versus discretized wavefunctions. The importance of being well normalized 149 (1988) 85
Martinache, L., S. Jans-Bürli, B. Vogelsanger, W. Kresa and A. Bauder, Microwave–microwave double resonance experiments with pulsed molecular beams in crossed Fabry–Perot cavities 149 (1988) 424
Mastikhin, V.M., I.L. Mudrakovsky and S.V. Filimonova, Probing the Lewis acidity of heterogeneous catalysts by ^{15}N NMR of adsorbed N_2O 149 (1988) 175
Matthies, H., K. Recker, F. Wallrafen, G.J. Dirksen and G. Blasse, Luminescence of copper in barium zinc fluoride (Ba_2ZnF_6-Cu) 149 (1988) 167
McGuiggan, P.M. and J.N. Israelachvili, Adhesion of two solid surfaces in water: effect of rotational mismatch of surface lattices 149 (1988) 469
McNab, I.R., see A. Carrington 149 (1988) 326
Merchán, M., see J. Planelles 149 (1988) 222
Michaut, J.-P., see L. Bonazzola 149 (1988) 316
Migliore, M., see G. andaloro 149 (1988) 201
Miller, W.H., see A.C. Peet 149 (1988) 257
Montgomerie, C.A., see A. Carrington 149 (1988) 326
Morita, A. and M. Katsumoto, Fluctuation increases in transient processes 149 (1988) 95
Mudrakovsky, I.L., see V.M. Mastikhin 149 (1988) 175

Nafie, L.A., see K.M. Spencer 149 (1988) 367
Natanson, G.A., Centrifugal oscillator as a self-consistent model for treating bending anharmonicities in nearly linear triatomic complexes 149 (1988) 551
Nesbitt, D.J., see C.M. Lovejoy 149 (1988) 122
Nesbitt, D.J., see M.S. Child 149 (1988) 404
Nikitchenko, V.M., see M.M. Asimov 149 (1988) 140
Nikitin, E.E. and A.I. Reznikov, Theoretical total cross section and branching ratio for $Kr^+(^2P_{3/2}, ^2P_{1/2})$ ions produced in low-energy charge-exchange collisions of $Kr^{2+}(^1S_0)$ with $He(^1S_0)$ 149 (1988) 212
Nishikawa, K. and S.H. Lin, Quantum mechanical calculations on the decomposition of H_2O_2 149 (1988) 243
Novikov, A.I., see M.M. Asimov 149 (1988) 140

Ohgusa, H., see T. Ohzeki 149 (1988) 379
Ohta, N., see M. Shiotani 149 (1988) 185
Ohzeki, T., H. Ohgusa, H. Isaka, S. Suzuki and H. Takahashi, Time-resolved resonance Raman studies of transient species in the photoenolization of 2-methylbenzophenone and 2-benzylbenzophenone 149 (1988) 379
Okabe, H., see J. Bai 149 (1988) 37
O'Mahony, J., see M. Brouard 149 (1988) 45

Onori, G., A. Santucci, A. Scafati, M. Belli, S. Della Longa, A. Bianconi and L. Palladino, Cu K-edge XANES of Cu(II) ions in aqueous solution: a measure of the axial ligand distances 149 (1988) 289
Orman, L.K. and J.B. Hopkins, Re-evaluation of the Raman assignments in the ground and excited metal to ligand charge transfer state of tris-2,2′-bipyridine Ru(II) 149 (1988) 375
Otto, A., see Ü. Ertürk 149 (1988) 284

Paffett, M.T., see E.M. Stuve 149 (1988) 557
Palazzo, M.A., see G. andaloro 149 (1988) 201
Palladino, L., see G. Onori 149 (1988) 289
Panas, I., J. Schüle, P. Siegbahn and U. Wahlgren, On the cluster convergence of chemisorption energies 149 (1988) 265
Peet, A.C. and W.H. Miller, A pointwise representation of the *S*-matrix Kohn variational principle for quantum scattering 149 (1988) 257
Penfold, J., see E.J. Staples 149 (1988) 191
Persson, B.N.J., On the nature of the frustrated translations for CO on metal surfaces 149 (1988) 278
Peterson, J.R., see W.J. van der Zande 149 (1988) 14
Petsalakis, I.D., see G. Theodorakopoulos 149 (1988) 196
Planelles, J., M. Merchán and F. Tomás, On the low-lying states of the copper methylene ($CuCH_2$) complex. A MO CI study 149 (1988) 222
Poornimadevi, C.S. and B. Bagchi, Fractional power dependence of rate on activation energy for reactions with very low internal barriers 149 (1988) 411
Pritchard, H.O., see L.K. Cohen 149 (1988) 543

Qin, Q., Y. Li, Z. Jin, X. Liu and Q. Zheng, Effect of translational energy on laser-assisted reaction of GaAs with chlorine 149 (1988) 128
Quack, M., see C. Kormann 149 (1988) 429

Raghavan, K., M.S. Stave and A.E. DePristo, Dissociation dynamics of D_2 on Ni_{13} clusters: structural dependence 149 (1988) 89
Ramanathan, K.V., see B.S. Arun Kumar 149 (1988) 306
Rebato, J.R., see J.I. del Barrio 149 (1988) 150
Recker, K., see H. Matthies 149 (1988) 167
Reilly, J.P., see E. Sekreta 149 (1988) 482
Reznikov, A.I., see E.E. Nikitin 149 (1988) 212
Riera, A., see F. Martín 149 (1988) 85
Rizzo, A., see M. Jaszuński 149 (1988) 79
Robert, J.B., see A.L. Barra 149 (1988) 363
Rogers Jr., J.W., see E.M. Stuve 149 (1988) 557
Roncin, J., see L. Bonazzola 149 (1988) 316
Rosén, A., see E. Westin 149 (1988) 239
Rubinov, A.N., see M.M. Asimov 149 (1988) 140
Rudecki, P., see U. Gaubatz 149 (1988) 463
Ruff, I., see L. Botár 149 (1988) 99

Sakuragi, H., see T. Arai 149 (1988) 161
Santucci, A., see G. Onori 149 (1988) 289
Sarman, S., see R. Kjellander 149 (1988) 102

Sasaki, M., see M. Itoh 149 (1988) 40
Scafati, A., see G. Onori 149 (1988) 289
Schaefer III, H.F., see H. Koch 149 (1988) 118
Scheier, P., see T.D. Märk 149 (1988) 230
Schein, L.B. and J.X. Mack, Adiabatic and non-adiabatic small polaron hopping in molecularly doped polymers 149 (1988) 109
Scheiner, A.C., see H. Koch 149 (1988) 118
Schiemann, S., see U. Gaubatz 149 (1988) 463
Schinke, R., see S. Hennig 149 (1988) 455
Schüle, J., see I. Panas 149 (1988) 265
Scuseria, G.E., see H. Koch 149 (1988) 118
Sekreta, E. and J.P. Reilly, Direct observation of intersystem crossing in benzene by laser photoelectron spectroscopy 149 (1988) 482
Setser, D.W., see G. Lo 149 (1988) 384
Shapiro, M., J.W. Hepburn and P. Brumer, Simplified laser control of unimolecular reactions: simultaneous (ω_1, ω_3) excitation 149 (1988) 451
Shapley, J.R., see J.L. Coffer 149 (1988) 487
Shiotani, M., N. Ohta and T. Ichikawa, Structure and reaction of methylcyclohexane radical cation: ESR studies 149 (1988) 185
Siegbahn, P., see I. Panas 149 (1988) 265
Sims, I.R. and I.W.M. Smith, Rate constants for the reactions CN(v=0), CN(v=1)+H_2D_2→HCN, DCN+H, D between 295 and 768 K, and comparisons with transition state theory calculations 149 (1988) 565
Singh, J., Drastic reduction in band gap due to pairing of carriers and exciton–lattice interaction in non-metallic solids 149 (1988) 447
Slagle, I.R., J.R. Bernhardt and D. Gutman, Kinetics of the reactions of SiH_3 with O_2 and N_2O 149 (1988) 180
Slanina, Z., A sum rule for harmonic vibrational frequencies valid within a series of pairs of isomeric isotopomers 149 (1988) 497
Smith, I.W.M., see I.R. Sims 149 (1988) 565
So, S.P., Structures and energetics of some low-lying electronic states of FCS 149 (1988) 534
Sochet, L.-R., see N. Bourmada 149 (1988) 339
Sofer, I. and A. Yogev, Bimolecular reaction of $CHFCl_2$ with olefins induced by infrared multiphoton excitation 149 (1988) 439
Spencer, K.M., T.B. Freedman and L.A. Nafie, Scattered circular polarization Raman optical activity 149 (1988) 367
Spychala, J., see B. Brzezinski 149 (1988) 348
Stace, A.J., Comment on "Raman-induced photodissociation of neutral $(CO_2)_n$ van der Waals clusters with visible laser light" 149 (1988) 228
Staemmler, V., see S. Hennig 149 (1988) 455
Stamatovic, A., see T.D. Märk 149 (1988) 230
Staples, E.J., P.G. Cummins, F. Leng and J. Penfold, Neutron scattering of mixed micelles under shear 149 (1988) 191
Stave, M.S., see K. Raghavan 149 (1988) 89
Stuke, M., see Y. Zhang 149 (1988) 310
Stuve, E.M., J.W. Rogers Jr., D. Ingersoll, D.W. Goodman, M.L. Thomas and M.T. Paffett, Ultrahigh vacuum and electrochemical co-characterization studies of Cu on Ru(0001) 149 (1988) 557

Sugano, S., see E. Ilisca 149 (1988) 20
Sundholm, D., Two-dimensional, fully numerical solution of the molecular Dirac equation. Dirac–Slater calculations on LiH, Li_2, BH and CH^+ 149 (1988) 251
Suzuki, S., see T. Ohzeki 149 (1988) 379
Svirschevsky, S. and M. Apostol, Solvent and pressure effects on transition rates of enzymatic reactions 149 (1988) 521

Takahashi, H., see T. Ohzeki 149 (1988) 379
Tanner, J.J. and M.M. Maricq, Far IR dissociation of a highly excited Morse oscillator 149 (1988) 503
Theodorakopoulos, G. and I.D. Petsalakis, Ab initio calculations on the ground and excited electronic states of KrH 149 (1988) 196
Thole, B.T., G. van der Laan and P.H. Butler, Spin-mixed ground state of Fe phthalocyanine and the temperature-dependent branching ratio in X-ray absorption spectroscopy 149 (1988) 295
Thomas, J.M., see R. Brydson 149 (1988) 343
Thomas, M.L., see E.M. Stuve 149 (1988) 557
Tokumaru, K., see T. Arai 149 (1988) 161
Tole, P., see P.W. Fowler 149 (1988) 273
Tomás, F., see J. Planelles 149 (1988) 222
Tominaga, K., S. Yamauchi and N. Hirota, The CIDEP spectrum of a radical pair of the acetone ketyl radical in solution. Effect of deuteration 149 (1988) 32
Tsuchiya, M., see T. Arai 149 (1988) 161

Ulstrup, J., see T.A. Marsagishvili 149 (1988) 417

Vallée, F., G.M. Gale and C. Flytzanis, Biphonon dynamics in ordered ammonium chloride 149 (1988) 572
Van der Laan, G., see B.T. Thole 149 (1988) 295
Van der Zande, W.J., J. Los, J.R. Peterson and C. Kubach, Decay of the $C^2\Sigma^+$ quasibound states of HeH: an experimental and theoretical study 149 (1988) 14
Van Leuven, P., see J. Broeckhove 149 (1988) 547
Veeman, W.S., see W.E.J.R. Maas 149 (1988) 170
Vinette, F., see J. Čížek 149 (1988) 516
Vogelsanger, B., see L. Martinache 149 (1988) 424

Wahlgren, U., see I. Panas 149 (1988) 265
Wallrafen, F., see H. Matthies 149 (1988) 167
Weir, D., see P.V. Kamat 149 (1988) 491
Western, C.M., see J.M. Allen 149 (1988) 1
Westin, E. and A. Rosén, Local density theory calculations of the ionization energies and optical transitions in BaF and BaCl 149 (1988) 239
Weston Jr., R.E., see J.F. Hershberger 149 (1988) 51
Wiczk, W.M., see J.R. Lakowicz 149 (1988) 134

Yamaguchi, K., F. Jensen, A. Dorigo and K.N. Houk, A spin correction procedure for unrestricted Hartree–Fock and Møller–Plesset wavefunctions for singlet diradicals and polyradicals 149 (1988) 537
Yamauchi, S., see K. Tominaga 149 (1988) 32
Yáñez, M., see F. Martín 149 (1988) 85

Yeager, D.L., see M. Jaszuński 149 (1988) 79
Yogev, A., see I. Sofer 149 (1988) 439

Zakaraya, M.G., see T.A. Marsagishvili 149 (1988) 417
Zhang, J. and D.G. Imre, OH/OD bond breaking selectivity in HOD photodissociation 149 (1988) 233
Zhang, Y. and M. Stuke, Laser mass spectrometric detection of AlH molecules as collision-free excimer laser photoproducts from aluminum alkyls 149 (1988) 310
Zheng, Q., see Q. Qin 149 (1988) 128
Zubek, M., Deexcitation of vibrationally excited CO($a^3\Pi$) and N_2 ($A^3\Sigma_u^+$) metastable states at a metal surface 149 (1988) 24